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We have on the phone, Jill Kuenzi , and Andrew Bailey, I will let the two of them introduce themselves, they will give us a rundown of what is going on with enterprise geospatial portal cut you guys are on.

All right, great be with you today, we will be presenting enterprise geospatial portal commonly known as EGP , my name is Andrew Daly I'm doing an impression of Sean Triplett, as group leader with Washington office, fire and maybe aviation IT in with me today is Jill Kuenzi .

My name is Jill Kuenzi, I work here under Sean Triplett and right now under Andrew Bailey in my primary project is that enterprise geospatial portal, Andrew and I will be taking today, take it away Andrew.

Great, also, usually with a spout out -- but out this week, is usually Autumn Mason, she is the mobile tech here with FAM IT, together we handle geospatial mobile web technology and interagency coordination.

We will cover what is the EGP , how does it work, what can EGP do for you , how can you fit it into your workflow, where is it headed in the future, where do I go for help, and finally, since we expect those of you who don't already have profiles will want them after this presentation will cover how do you get a profile.

All right. Regardless of who we are in for whom we work, these are things you probably know about wildfire, it ignores boundaries, we work across agencies in boundaries in space if there is a line out there we work across it, our geospatial data sometimes stops at those, EGP is an effort to display that data that crosses those lines.

Our work began in 2009, with the goal of improving distribution, display and analysis of data, specifically in the geospatial area to support decision-making processes, unlike which functions of the The local geospatial focuses from geospatial to national cut geospatial data cut capabilities between existing fire applications that helps spatially enable data in previously non-spatial applications.

Just like your local convenience store, we're hoping the EGP will become one-stop shopping for all of your fire data needs, not quite there in -- yet and always improving and we would like your comments in the future but that is our ultimate goal so keep that in mind.

If we were to log in, to go to the EGP, if we had time we will do a demo, this is what you would see on a homepage, made up of a number of components which you see on the left-hand side

under fire EGP data, the fire globe, situation analyst, the risk dashboard we uncovered today and geospatial data and some links for support.

As we move through this, presentation please note that there is usually a URL in the lower left-hand corner, or somewhere on the screen, that is where you can find the geospatial portal.

Currently the application runs on PCs and laptops, smartphones, and tablets. Couple years ago it was desktop only but now the design is to run on all platforms. You should be able to take it out in the field with you. The idea is to take advantage of data already available to use authoritative sources for data so you know when you're getting data from the EGP and you're getting the latest and greatest authoritative data you can rely on to make decisions. It is an application developed, FAM IT , is the government we hear, we have the will and fire management RDA, FAM IT , technology Center, and Ventura County in various states are involved, contractors to develop our in Tara and NT concepts. The data in the application is updated every 10 minutes, from those authoritative data sources.

You can see the components will cover today.

The first component we will get into will be the fire globe, this is our 3-D you are within the enterprise geospatial portal and as you can see these are various snapshots of screens you can see within the fire globe, the primary purpose of this is based off of a Google background and it allows for 3-D viewing. If you are a firefighter in the field and getting ready to go to an assignment you can jump on to the enterprise geospatial portal and take a look at where your incident is occurring and get an idea or feel for what is happening in change up the data layers see you can see behind where the incident is occurring.

The idea is to provide situational awareness, there is a web viewer 3-D version, also Google Earth, a globe you can use, and is based on cloud ready infrastructure, it is hosted out of the heiress data center in South Dakota, and it is organized in various view states, states you also see echoed over in the situation analyst, for active incidents, so you can get your quick situational awareness of what is going on in the country or reason or local area, there is a view state for resources, where our engines, helicopters, all that comes over from Ross and is updated every 10 minutes, as predicted services, and it covers things like the fire danger rating, fuel moisture, and Jill is reminding me to define Ross, resource ordering and supply system. When you get ordered up as a GISS or they order a truck across the country or food and equipment to send to a supplier camp that all goes to Ross, Ross is a non-spatial application, EGP through its combination data and tabular data and Ross spatially enables, and the final tab, fuel and fire planning, fuel, Schmitz for back, we are working to add fuel and flyer planning data from the Department of Interior as well from their authoritative -- authoritative data sources.

The final view state is aviation which comes from the aviation staff and Ross, flight research and, military training routes, when automated flight following comes up that information is displayed there as well for folks who have ASF automated flight Loggins.

This piece, it was one of the original cornerstones of the EGP , fire globe.everyone excited, first Google Earth recently indicated they will be having Google Earth Pro, and deprecating their web

version of the 3-D viewer, we are in the process of researching and working on a replacement system, the idea is to have that in place by the time Google Earth Pro is finalized, decommissioning is finalized September 15.

The next piece, the situation analyst or essay viewer Josh SA viewer, a 2-D view or command view which you view over the web, either from a mobile device or from a desktop, it is currently integrated through the Erwin project I described yesterday, flyers that come in from a computerized dispatch are able to be displayed as well as any information that has been added, along with ICS 209 information, other data on EGP, from flyer code, application, whispers, and other Systems such as fire beam, Texas dispatch tracker. Erwin has more data sources, and EGP capabilities in all the data can be viewed along with authoritative -based data like we described before, a lot of data pulled from other sources, weather, and motor fire satellite detections, working on lighting fire detection, the system has gone down for revision but as soon as lightning is back up we will have lightning data available in EGP, resource data from 209 and Ross , and predictive services output such as the fire Outlook etc. etc. That is a very common operating picture view of flyer data from the national to the local level.

This is the view, as we are adding tools, for doing headset digitizing on incidents, send it over the web type of situation, you can do your fire mapping and display the information within the SA viewer . He describes the updated data every 10 minutes, the workflows are driven by the user type you are logged in as. There is a tactical view available for things such as a somewhat like capabilities -- a summit like capably.

Before I move on into the geospatial dashboard, do I have any questions?

Any questions in the room?

I'm not seeing any, I've want question and looks like online, it was an IRI and interpreter question.

Feel free to jump in Lori if there is a question, interactive, we want to be interactive.

I jotted down a couple in and holding them until the end.

Another view that is popular, the G data -- GDAT, a summary tool that displays it in that national and regional level and from that you can drill all the way down into a situation analyst view, this contains data from ICS 209, Daly city report or I am SR, incident management report, resources shown as committed to Ross or the resource ordering system, an active fire data displayed for 42 hours, any fire that shows is active ICS 209 form is displayed and retained, initial attack fire shows up for 24 hours before the drop off, preparedness level information by region is shown, you can take a national level snapshot and see where the activity is within these regions and into the region, see what is going on within the region and zero all the way down to the instant level and see what is going on in any specific incident.

And also contains information on the fire, cost elements, RisC elements, stratified cost index so you can see what the fire cost is versus what the expected cost of the fire in the region may be.

Here is an example of what you zoom in and you are looking at national level and you can see a list of incidents that hit certain thresholds to be displayed, of interest nationally, percent containment from 209 acres burned, structured threatened which comes from the 209, assign personnel was come -- which comes from Ross and cost to date. As always, as I'm sure this group is well aware, the data in the application is only as good as the data people put in forums like tool nine or Ross -- 209 or Ross, but it is the best available, command view.

Don't be afraid to encourage the folks you are working with to get their information into the various required forms such as to one because again, the data in the EGP is only as good as the data that has been entered into various forms.

One great use of GDAT is briefings, to explain what the situation is, a picture is as good as 1000 words, interactive geospatial data is 10 times more valuable and allows you to quickly get your head around the situation nationally.

The next page I want to cover is the data page, which covers a comprehensive listing of all data used within the EGP , at this point more than 40 data layers with more being added all the time. Some are static data we load manually, many are dynamic and we load them through Web services so when they are updated on their host systems they are updated in the EGP . They are grouped into categories to make them easier to find how you can see a description, at this point the general source, and the plan is to add the service endpoints, this year, so you can see exactly where the data comes from from the data page.

As well as how often they have been updated and when they will next be updated. We are looking forward to that one.

This is Lori, we've been look -- learning a lot, being able to consume services and things like that, we're publishing service or publishing a data set, from ED PA, can we consume those easily through the EGP ?

Not yet. That is something we're working on, the ability to add a service dynamically as we go but at the moment, it can be fairly easy to add it to the Globe feel, -- globe view, but not our GIS server will kick out I can mail -- KML see you can add it to the fire globe easily, so that is critical and we're looking to find a replacement but not so much in the web you are at this time.

The last thing I wanted to call your attention to on this page I mentioned view states under the situation analysis, the fire globe, you can see a list of those view states or icons for those view states, the data are grouped why those view states to you can see within a specific data layer which data sets are available, not every piece of data is available in every view state because not every piece of information is all that useful or decision-making for that type of decision-making, and the idea is to not overwhelm the user with every possible data set, so this is another way to look at it under the date of you, you can see, how it is organized in what data is available.

And the nice thing is, if there is a particular layer under different new state but most of the layers you are using are under a different heading altogether or different view state you can fool layers

between the different view states, so if you want to see particular layers shown together it is definitely possible.

That is a great point, this is Lori, with the fire retardant avoidance it was great to move that back and forth between the different view states and see it in different locations, I think it was over in aviation.

If you find it is useful over active incidents you can add it to your active incident.

The next piece I wanted to go into, mobile. Google Earth portable EGP supports disconnected feel environments, I don't want to spend a lot of time on that specific piece, since Google Earth and its environment are going away, working on a future capability to collect in sync contact from the field to EGP through FIM T and collector, I will get to that more in the future.

How you access EGP ? These are the icons for all the compatible viewers, pre-much everything that uses open geospatial Consortium standards for Web services. Apple, android, Firefox, chrome, i.e., who will Earth, use your favorite method to access geospatial data and maps, EGP has made it its goal to support it. On your tablet in the field, on big screens in the command center and everything in between, EGP should support you .

Moving forward, tasks for 2015 integration with Erwin is ongoing, a first round of integration was 2014, and 2014 was the first integration in EGP started pulling data from CAD systems, and to one and fire code, this upcoming year we're adding fire beams which is the Alaska fire service federal impute rated dispatch system, while Six continues to add sites around the country, I asked them -- IFN was last year in Alaska, Texas dispatch tracker covers the Texas US forest service in Texas as well is that Texas forced to service, that will be state data coming in, and EGP will be displaying state data , which is exciting, the state see the importance of seeing their data alongside with the data of their federal partners and we hope to encourage that kind of work in the future in collaboration.

We have planned integration with FIM T, something people of been asking for for while, drop perimeters in the application -- drop perimeters in the application for a year now, currently were working on a task to pull data and have a button within the FIM T toolbar that would upload your data into the EGP , I should say for this year, that is not replaced the SFP's to load data on to the FP -- FTP site, there are lot of data such as Geo map that provide geospatial data to other applications like instant web, those are still dependent on the old-fashioned were close -- workflows are what we have been doing for couple beers. Does couple of years. Moving for this may be the future where we can get away from having people load data manually onto the FTP site we can go with FIM T easy button, we're hoping to have that out by June, stay tuned and keep your eyes on the GLS does GISS.com and look for more information.

There will be two releases of FIM T this year, one mid April, and the release in mid April will cover all the standard things, being able to load directly into FIM T will be available April, where the second release around the first part in June will have interactive capabilities with AG oh well or arch I-S online so those are things to look for in the future.

Even see in the next bullet search and analysis tool, making it easier for users to find incidents. If they know the name or unique ID, what is -- expose a way to find incidents, adding any kind of analysis tool, being a modeling or geospatial queries, what is being affected by a certain fire. The world of iOS devices and android devices continues to change, it is our goal to support those devices in providing public facing Web services and maps from EGP, which is a are republishing some Web services if you use your EGP login to access those. But we would like to start posting some public facing Web services.

Before we hit getting a profile, a couple of new things, too new to make the slide show, I'm not sure if anyone is familiar with the term 508 compliance, it is become too familiar here, 508 is a section of US federal code that describes accessibility for users who may be site or accessibility impaired, it is our obligation to American citizens to make our applications useful to them despite disability, so we are doing website redesign with the goal of making the site 508 compliance in meeting the obligation.

And really, on a smaller scale what that means, you will see a lot more pop-ups on various icons you see within the enterprise geospatial portal as well as you also be able to see the Windows themselves resize, more specifically to the device they are on, as well as provide other options to tab through making it easier for those folks who may have some disability.

Screen reader compatibility is an especially important part of 508 compliance. That is something we are tackling this year, refreshing our data page, which you saw, already pretty good but to make it sortable and searchable. Continuing to add new and updated data, so non-forest service fuel data, described the Department of Interior in collaboration with with this in land fire, another agency process to get that data updated, adding state fire locations, history to the national Association of State for starters, -- enforcers, and the family of data warehouse, adding locations for seat faces, single engineer and tank base locations, we are continuing to work on regaining access to lightning data, automated lighting mapping systems, on the process of refreshing that system, as that becomes available we should be able to get access to that data. And finally, the automated flight following or AFS -- AFF, any firefighting aircraft, if you have a lot into that system, that is currently down and not available for use in -- and is expected to be back up before June 1, 2015.

Looks like we will have about 10 minutes for a demo and questions. Going over and getting a profile, go to HT TPS, EGP .NWC G.gov, you will see a screenshot of where that is on the EGP -- EGP homepage, generally, the folks here in this office create profile, depending on workload we can get those within a couple of days, this is the sort of thing.

More like a week on that, depending on workload around here, since we handle those individually.

This is Lori, shorthands in the room, how many people have in EGP login already?

Maybe about one third, if you haven't gotten one I recommend you get one because there is nothing like being able to show management, especially what is going on in fires in getting

people familiar with it, I will show later the iPad interfaces well, Andrew we will do that tomorrow since we won't have time today.

Great.

You may want to take a look at the HTML viewer on the iPad.

That is what I'm using that is what I have up right now.

This is something where I encourage you to go ahead and request this, no hard and getting along and early and having that in your back pocket, not trying, usually if you requested on the day you get dispatched to a fire if there are a bunch of fires going on we also are on fire here. This is the sort of thing to go ahead and be prepared, be good with scouts and Girl Scouts and be prepared and have time -- ahead of time.

As far as needing help her having questions up until the first week of June you can replace Shawn same as mine, the work phone number is the same, you have my email address yesterday, you can contact Jill, our geospatial coordinator, as well as Autumn Mason and there is a contact us link -- for EGP as well.

That part is not true, go where Lori says, the recording of this webinar will be available, but we are being recorded. I will take you in a questions and answers now before we go into a demo of the application.

Any questions in the room?

You guys are looking kind of burned out, I will make you all get up and do jumping jacks next.

Running them through their paces, Lori?

The question about the uploads to the GOP -- geospatial tool, you don't have it visible but is it ropelike -- role-based review need certain credentials?

If you're a this if you are planning role, GSS trained situation analyst, we look at what roles you play in an incident situation, and you will be asked to fill those in when you request a profile. The GISS role or situation unit leader will be given the correct roles so they can upload data directly into the EGP for instant viewing.

Last year, this is Lori, I did work with happy And the King fire going on, uploading and making those available so management had been before the early morning meeting, it is great to have you uploading the geode databases, when I was running into, if there are any files in the database we had to go in and manually clean out a bunch of them and then be able to publish that out, it worked really well, the management was appreciative of having the data in senior data live out there, this tool will let you go ahead and publish it easily, swear hoping from what I understand -- so we're hoping from what I understand this is something all GISS is will do, the first question mail has on her mind, what happens when Internet goes down?

Certainly if you want to use geospatial web-based tools, Internet is pretty much a requirement. One of the things you can do in your pre-seed planning meetings with your team is show them some the capabilities you can have if you have Internet, that is a selling point both for the logistics folks helping to cite your ITP, as well as the folks who will write the check to pay for Internet to approve the cost, if not, I don't think there's any reason you can't function, you can still, you have to do things the old-fashioned way. The fire globe capabilities, was hoped to be available, but with Google facing that out we have to look for alternatives so we will back up at least a year on that.

And as with many of the other fire applications, not GISS related but in actual and other applications there are occasions where Internet may not be available where you are located you have to grab a vehicle and go into town and find a coffee shop, uploaded and go back to camp. If that is an issue. That is if you need to have the data uploaded and available for use by people on the incident as well as perhaps back in and ought -- back in office or home office or somewhere else.

-- I know my GISS is have done that, I'm Already hearing Kyle in my head saying, I just did a 12 hour shift and I'm driving to this coffee shop to upload, where flaking it is a safety issue, it is a concern. I know we are working a lot of issues in the field, fire scope and other groups to make sure Internet is available on incident in the kind of Internet we need is available. This is another one of those things, we need to add on to that document I'm putting together working with fire scope on, another add-on of another requirement needed as to why we need Internet on it instead.

It would be fair to highlight, to management, that if there expectation, if it is that we will get good data out for things like in the web, that doesn't just happen through magic, there is no magical way to finish my incident and click save and go home and have the stuff show up for public, the public will be upset if they can't see fire perimeters, we hear it from news media and other watchdog folks. If that will happen we have to have Internet we have to have it in a way that is useful and it doesn't create a safety hazard I sending people driving for an hour through smoke in the predawn or post sunset hours to go upload something somewhere that they need to do or RisC analysis and the cost of Internet that way. You are dressing something that is near and dear to my heart, Lori, I work too many fires about Internet, there are too many benefits to having it to not, to let it slide, especially on type II in type I flyers.

Exactly. Do you want to do a demo? We have 10 more minutes.

We can go in. I'm inclined to skip the fire go out and go into the situation analyst and GDAT .

I will slide over and let Jill Drive the demo. Enjoy, you'll notice spatial analyst and GDAT are linked in a soon as Jill gets in there you will see why.

Before we start with the situation analyst and geospatial dashboard I want to start with the data page. Just so you can see how it moves and how it works, you'll notice there are five columns in the data page, and his answer said earlier they are divided up by view state, those icons you saw, by layer name, type, description and source, remember that with the new release coming up in

mid-April, that they will also be able to see the source where the data is coming from, how often it is updated and when was the last update so keep that in mind. With that we will jump into the situation analyst and geospatial dashboard and analyst tool.

They want us out, sorry about that folks wear to a prepared -- we were to prepared.

And other reason for you to request and get your question so you access to it and spend some time playing with it, there are great videos, I know Jill and Sean spend time last year doing a YouTube channel, a lot of training online on how to use it and set it up, go ahead.

Inc. you so much. What you will see right here, this is the geospatial dashboard, what we would like to notices in the upper right-hand corner there is a tab noticed nation and by default you will be taken in and shown the entire United States and that includes Alaska. I am left clicking and dragging the window around to move the map, you will have access to this matter what role you are given.

Currently, any incidents currently going on will be listed on the left-hand side, all of these are linked, if you have a particular one in mind you are thinking of you can click directly on the name and be immediately taken into the third tab, initial attack incident tab, there is a purple.right here, in the upper right-hand corner, if you pull down on the instant legend -- incident legend, each.has a different color, and get -- in this case this is an initial attack incident if I were to hover over the incident I know the name of the incident and if there were any additional information, which changes depending on what information has currently been loaded into the various reports such as sit 209. You can scroll down on the scrollbar, and be able to see all the data available. I've picked an incident that is fairly small, you can see there is not a great deal of information, but where it has been entered into the various reports that are pulling to rectally into the enterprise you spatial portal the -- pulled directly into enterprise do spatial portal portal.

You can see a variety of different colored dots, by the incident you can get idea of what kind of incidents they may be, whether they are more than 24 hours old, initial attack, and where the information is coming from.

Let's take a look quickly on the national tab, across the top you will have the planning level, this will be the planning level as it applies to the entire nation. We are currently in planning level I. We have a variety of information listed in the geospatial dashboard and again, this information pertains to the entire nation, not to any region or any incident in particular but the entire region. There also be a running list of active incidents going on, and information for these particular columns are available only as the information is available and reports themselves. Down at the bottom would be keynoted cost comparison which would be available in that compares all the incidents available throughout the nation.

We do have one fire in here, 209, initial attack incidents tend to not have a whole lot of interesting information with them. They usually come in from Systems, from fire code, or code especially provide will information beyond the name and longitude and latitude, this one, West

prong, is into one and gives us a number four cost of date, I wanted to see if there is more of an illustrative example.

Do notice as I move my cursor down the various incidents, circle shows up on the screen on the map on the right to show you where it is, if you're headed to an incident and not sure where it is there may be a stepping stone as to what to take a look at.

Jill, on the bottom there is a recorder button, the play button, will zoom you in and out to all the different incidents in the area, so if you want to do a video, you can play the video, zoom in and zoom out, Simmons amount, it is a nice feature.

Very nice.

Back on the nation tab, if you move around you end up in the different gaps, if I were to choose the Rocky Mountain gap, a second wall. Known as the region tab, all the information shown, will be catered, curtailed just to the information in the Rocky Mountain gap, you can click on the individual incidents and go in closer to the particular incidents and get more information. What I want to touch on before I run out of time, a.At the top there is a box that will slide down, you'll get the option to move into the situation analyst right here in the dashboard itself. If you were to click on the box, it will immediately take you to the situation analyst. There are my layers up in the upper top, your six choices of background you can use. These are options and you simply activate them by clicking on them. Anything that shows a checkmark that is filled in is an active layer, you can turn things on and off like you would in GISS simply by clicking on them. An empty checkmark is not on, one that is filled and is turned on and simply a toggle, click wants to turn on in click twice to turn it off. To give you an idea what we are looking at, you consume around, you have options to zoom in and out, this is a new development from when I was using this, I at never seen -- I had never seen the list of layers come and go, that is a new function there come up with. You are able to zoom into places and out of places and you can go back and forth between the geospatial dashboard as well as into the situation analyst, and with that, Laurie it looks like I'm out of time were there any final questions you wanted to ask us?

I know we had talked about of their view, will there ever be of their view bear -- view, I thought I would plug that in.

It is on the whiteboard in my office, bear the folks, Rick Schwab with Parks service had talked about this group, the with this group, determining where it ought to live in what the requirements should be is a conversation that needs to happen. I think there is potential. You have to figure out what ought to be in that view.

Either stand were dealing with priorities -- I understand you are doing is priorities, tomorrow I will show implementation of that on the iPad, I have it here in them happy to loan my iPad to people who want to load it up for me, if you want to see what it looks like an iPad using HTML 5, nice implementation, I like the new format Jill and Andrew, it is nice, I haven't been in here in a while and I'm impressed.

You will see new features coming out mid April also, keep an eye open for that, for those looking for the few states keep an eye on this icon in the lower left-hand corner in the situation analyst and that is where you will find your various layers as you click on these they will change the layers that show up in the upper left-hand corner. And with that, we're out of time, if anyone has more questions, you know how to get a hold of us. We certainly appreciate your time for letting us join you.

Great presentation, I will make sure the YouTube link is in the notes you can go work with that and watch the videos, you learn a lot to the videos about using the variety of tools and how to move things back and forth between the few states, -- view states, we have one person waving us.

With at the Emily Carpenter?

She is here and learning about the pain, what we do for the job, David owes us for getting her into class.

Thank you for the opportunity again, hope the rest of the class is good for you.

[Event Concluded]

Actions